

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/30503

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 13/00
 US CL : 709/226, 229; 463/42

According to International Patent Classification (*TPO* or to both national classification and IPC)

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 709/226, 229; 463/42

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 WEST: USPT, PGPB, EPAB, DWPI; GOOGLE SCHOLAR; CITESEER.COM; EEE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0086732 A1 (KIRMSE et al.) 4 July 2002 (04.07.2002), Abstract, Fig. 4, paragraphs 28, 51, 71	1-23
A, E	US 2005/0181878 A1 (DANIELI et al.) 18 August 2005 (18.08.2005), Abstract, paragraphs 11, 79, 94	1, 11, 12, 23
A, E	US 6,807,562 B1 (PENNOCK et al.) 19 October 2004 (19. 10.2004), Abstract, column 13, lines 32 - 60, col. 18, lines 49 - 64	1, 11, 12, 23
A	US 2003/0217135 A1 (CHATANI et al.) 20 November 2003 (20. 11.2003), Abstract, paragraphs 26, 76	1, 11, 12, 23

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
*	Special categories of cited documents:	T "	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search	04 December 2005 (04.12.2005)	Date of mailing of the international search report	31 JAN 2006
Name and mailing address of the ISA/US	Authorizing officer <i>Michelle i. S.</i>		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	Rupal Dharia		
Facsimile No. (571) 273-3201	Telephone No. 703 305-9700		